

APPLICANT(S): Assaf Shappir
SERIAL NO.: 10/537,857
FILED: 06/07/2005
Page 5

REMARKS

The present response is intended to be fully responsive to all points of objection and/or rejection raised by the Examiner and is believed to place the application in condition for allowance. Favorable reconsideration and allowance of the application is respectfully requested.

Applicant asserts that the present invention is new, non-obvious and useful. Prompt consideration and allowance of the claims is respectfully requested.

Status of Claims

Claims 1-19 are pending in the application. Claims 1-19 have been rejected. Claims 1, 9 and 19 have been amended.

CLAIM REJECTIONS

35 U.S.C. § 102 Rejections

In the Final Office Action, the Examiner rejected claims 1-6, 9-16 and 19 under 35 U.S.C. § 102(b), as being anticipated by Roohparvar (U.S. Patent No. 6,529,417). Applicant respectfully traverses the rejection of claims 1-6, 9-16 and 19 due to the fact that the cited reference neither teaches nor suggests all the limitations recited in independent claims 1, 9 and 19 as previously presented. More specifically, all the pending independent claims included the limitation of "an erase pulse having a predominantly non-flat voltage profile", whereas the Examiner's reference only teaches a **ramped voltage profile**, which erase pulse has a substantially flat portion which appears to comprise the majority of the pulse width.

However, in the interest of furthering the prosecution of the present application, and in order to more clearly define features of the present claims from the prior art, Applicant has amended each of the amended independent claims (1, 9 and 19) to recite:

APPLICANT(S): Assaf Shappir
SERIAL NO.: 10/537,857
FILED: 06/07/2005
Page 6

1. "A method of erasing one or more non-volatile memory ("NVM") cells comprising: applying to the one or more NVM cells an erase pulse having a predominantly non-flat and non-linear voltage profile."

9. "A circuit for erasing one or more non-volatile memory ("NVM") cells comprising: an erase pulse source to produce an erase pulse having a predominantly non-flat and non-linear voltage profile."

19. "A system for erasing one or more non-volatile memory ("NVM") cells comprising: A NVM array, and an erase pulse source to produce an erase pulse having a predominantly non-flat and non-linear voltage profile."

Conversely, the relied upon prior art teaches "...source voltage [that is] preferably ramped using a series of pulses which increase in amplitude." (Col. 4 line 67 – Col. 5 line 1), resulting a **linear voltage profile**.

As is well established, in order to successfully assert a *prima facie* case of anticipation, the Examiner must provide a single prior art document that includes every element and limitation of the claim or claims being rejected. Applicant respectfully asserts that the cited reference is not sufficient as a single prior art document for the purpose of establishing a *prima facie* case of anticipation. The cited reference neither teaches nor suggests every element and limitation of independent claims 1, 9 and 19, namely an erase pulse with a predominantly non-flat and non-linear voltage profile. Moreover, as shown above, the cited reference actually teaches away from the recited limitation of pending independent claims 1, 9 and 19.

Independent claims 1, 9 and 19 as clarified are considered allowable in view of the cited prior art. Accordingly, Applicant respectfully requests reconsideration and withdrawal of the 102 rejections of independent claims 1, 9 and 19 and all claims dependent upon them.

APPLICANT(S): Assaf Shappir
SERIAL NO.: 10/537,857
FILED: 06/07/2005
Page 7

35 U.S.C. § 103 Rejections

In the Final Office Action, the Examiner rejected claims 7, 8, 17 and 18 under 35 U.S.C. § 103(a), as being unpatentable over Roohparvar as applied to claims 6 and 16, and in view of Chindalore et al., U.S. Patent No. 6,839,280 B1.

In view of the remarks and arguments above regarding the 102 rejections, Applicant respectfully asserts that these claims are allowable by virtue of their dependence on allowable base claims. Reconsideration and withdrawal of the 103 rejections is respectfully requested.

In view of the foregoing amendments and remarks, all the pending claims are considered to be allowable. Their favorable reconsideration and allowance is respectfully requested.

Should the Examiner have any question or comment as to the form, content or entry of this Amendment, the Examiner is requested to contact the undersigned at the telephone number below. Similarly, if there are any further issues yet to be resolved to advance the prosecution of this application to issue, the Examiner is requested to telephone the undersigned counsel.

Please charge any fees associated with this paper to deposit account No. 50-3400.

Respectfully submitted,



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